What is Claimed is:

1. A device to be mounted on a structure for communicating a wireless signal in at least one frequency range, comprising:

an antenna capable of communicating the wireless signal, said antenna having an antenna shape; and

a material encasing said antenna and having an external shape different from said antenna shape, wherein said material facilitates attachment to the structure.

- 2. The device of claim 1, wherein said material is emissive.
- 3. The device of claim 2, wherein said material is insulative.
- 4. The device of claim 1, wherein the structure is a transformer enclosure and further comprising a conductor communicatively coupled to said antenna and that that passes through an aperture in the transformer enclosure.
- 5. The device of claim 4, wherein said conductor is communicatively coupled to a first communication device.
- 6. The device of claim 5, wherein said first communication device provides communication to a customer premise that is electrically coupled to the transformer in the transformer enclosure.
- 7. The device of claim 5, wherein the first communication device is a backhaul point.
- 8. The device of claim 5, wherein said first communication device is disposed at a distribution transformer.
- 9. The device of claim 4, wherein said antenna is communicatively coupled to at least one low voltage power line.
- 10. The device of claim 1, further comprising an insulative material to mounted between said antenna and the structure.

CRNT-0208

- 11. The device of claim 1, wherein the structure is a transformer enclosure and said material is disposed between said antenna and the pad mounted electrical transformer when said device is mounted to the transformer enclosure.
- 12. The device of claim 1, wherein said antenna receives signals in a predetermined frequency range, and wherein said material is emissive within said predetermined frequency range.
- 13. The device of claim 1, wherein said material has a substantially planar face.
- 14. The device of claim 1, wherein said antenna is disk-shaped.
- 15. The device of claim 1, wherein said material is insulative.
- 16. The device of claim 1, wherein said material comprises at least one of the following: rubber, plastic, and Mylar.
- 17. The device of claim 1, wherein said material has a thickness that facilitates preventing access to said antenna.
- 18. The device of claim 1, wherein a first external dimension of said antenna is substantially different than the first external dimension of said material.
- 19. The device of claim 18, wherein a second external dimension of said antenna is substantially different than the second external dimension of said material.
- 20. The device of claim 18, wherein said material has a rectangular box shape and said antenna has a disk shape.
- 21. The device of claim 1, wherein said antenna is directionally oriented within said material.
- 22. The device of claim 1, wherein said material comprises holes to facilitate mounting to the structure.

CRNT-0208

- 23. The device of claim 1, wherein said antenna is a substantially flat rectangular metallic material.
- 24. The device of claim 1, wherein said material prevents structural deformation of said antenna.
- 25. A system for communicating a wireless signal at a pad mounted electrical transformer, comprising:

a protective material;

an device embedded in said material;

wherein a first external dimension of said antenna is substantially different than the first external dimension of said material; and

wherein a second external dimension of said antenna is substantially different than the second external dimension of said material.

- 26. The device of claim 25, further comprising a first communication device communicatively coupled to said antenna.
- 27. The system of claim 26, wherein said first communication device is communicatively coupled to at least one low voltage power line.
- 28. The system of claim 27, wherein the low voltage power line is in electrically coupled to a customer premise.
- 29. The system of claim 27, further comprising a second communication device in communication with said first communication device.
- 30. The system of claim 29, wherein said first communication device, comprises:
 - a first modem;
 - a first router in communication with said first modem; and
 - a first wireless transceiver in communication with said first modem.
- 31. The system of claim 30, wherein said second communication device, comprises: a second modem;

- a second router in communication with said second modem; and a second wireless transceiver in communication with said second modem.
- 32. The system of claim 31, wherein said second wireless transceiver uses IEEE standard 802.11.
- 33. The system of claim 30, wherein said first wireless transceiver uses IEEE standard 802.11.
- 34. The system of claim 30, wherein said antenna comprises a substantially planar surface.
- 35. The system of claim 30, wherein said material is emissive.
- 36. The system of claim 30, further comprising an insulative material located between said antenna and the pad mounted electrical transformer.
- 37. The system of claim 30, wherein said material is located between said antenna and the pad mounted electrical transformer.
- 38. The system of claim 30, wherein said antenna receives signals in a predetermined frequency range, and wherein said material is emissive within said predetermined frequency range.
- 39. The system of claim 30, wherein said antenna is disk-shaped.
- 40. A method installing an antenna device at a transformer enclosure, said antenna device comprised of an antenna that is communicatively coupled to a communication conductor and wherein said antenna is encased in a protective material that includes a mounting hole, comprising:

determining a location on the pad mounted transformer that facilitates communication with the antenna device;

creating at least one mounting aperture in the enclosure for mounting the antenna device at the location;

placing said antenna device substantially proximate to said location;

CRNT-0208

attaching the antenna device to the enclosure by using the mounting aperture and the mounting hole; and

attaching the communication conductor to a communication device.

- 41. The method of claim 40, further comprising orienting said antenna in a direction that facilitates communication with the antenna.
- 42. The method of claim 40, wherein the antenna receives signals in a predetermined frequency range, and wherein said material is emissive within said predetermined frequency range.
- 43. The method of claim 40, further comprising communicatively coupling said antenna to at least one low voltage power line.
- 44. The method of claim 40, further comprising painting the antenna device substantially the same color as the transformer enclosure.
- 45. The method of claim 40, wherein the antenna is directionally oriented within the material.
- 46. The method of claim 40, where the antenna has an antenna shape; and the material encasing said antenna has an external shape different from said antenna shape.
- 47. The method of claim 40, wherein a first external dimension of the antenna is substantially different than the first external dimension of the material; and
- 48. The method of claim 47, wherein a second external dimension of the antenna is substantially different than the second external dimension of the material.